



Geotechnical Engineering towards Sustainability

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Message from the Guest Editor

Dear Colleagues,

While the application of geotechnical research is practical in nature, the improvement of fundamental knowledge of geotechnical engineering and its potential risk or impact when implemented in field applications are key aspects of sustainability in geotechnical engineering. The development of laboratory/field experiments and numerical techniques will improve the sustainable design of geotechnical and geoenvironmental infrastructure. Furthermore, efforts to ensure sustainability in geotechnical engineering should include consideration of reliability and resilience aspects because of the stochastic nature of geomaterials with high uncertainty. Quantifying the uncertainty of geotechnical properties or failure would enable reliability-based geotechnical design.

Relevant topics in this Special Issue could include: Sustainable technologies in geotechnical engineering; Geomaterial characterization for sustainability; Bio-mediated and bio-inspired geotechnics; Environmentally-friendly ground improvement techniques; Reliability analysis in geotechnical engineering; Geotechnical cost-effective solutions.





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Message from the Editor-in-Chief

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